

SEARCH REQUEST FORM

Requestor's Name: Matthew Fawcett Serial Number: 909379
Date: 12/15/92 Phone: 308-3957 Art Unit: 2203

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

gadolinium complex
Please search for a gadolinium complex of
3,6,9-Triaza-3,6,9-tris(carboxymethyl)-4-(4-benzylxybenzyl)undecanoic acid

→ The claims 1-10 are attached

Note - please also search for a pharmaceutical composition which of the above complex

- Thank You

STAFF USE ONLY

Date completed:	Search Site	Vendors
Searcher:	STIC	IG Suite
Terminal time:	CM-1	STN
Elapsed time:	Pre-S	Dialog
CPU time:		APS
Total time:	N.A. Sequence	Geninfo
Number of Searches:	A.A. Sequence	SDC
Number of Databases:	Structure	DARC/Questel
	Bibliographic	Other

Move

Text Search

Close

US PAT NO: 5,021,567 [IMAGE AVAILABLE]
 TITLE: 8-hydroxyquinoline chelating agents

L3: 5 of 5

ABSTRACT:

The present invention provides linear, cyclic and trifurcate tri- and tetramine backbone multidentate chelating agents based on the 8-hydroxyquinoline chelating unit. The chelating agents may optionally be substituted with a substrate reactive moiety and antibody-metal ion conjugates may be produced for in vivo diagnostic and therapeutic methods.

=>
 => d hist

(FILE 'USPAT' ENTERED AT 11:04:44 ON 15 DEC 92)

SET PAGELENGTH 62
 SET LINELENGTH 78

L1 11310 S EDTA OR DPTA
 L2 122 S L1 AND GADOLINIUM
 L3 5 S L2 AND EDTA DERIVATIVE
 L4 0 S L2 AND DPTA DERIVATIVE

=> d ti,pn fd 13 1-5

US PAT NO: 5,137,711 [IMAGE AVAILABLE] L3: 1 of 5
 TITLE: Paramagnetic DTPA and ~~EDTA~~ alkoxyalkylamide complexes as MRI
 agents
 DATE FILED: Jul. 13, 1989

US PAT NO: 5,130,120 [IMAGE AVAILABLE] L3: 2 of 5
 TITLE: Paramagnetic DTPA and ~~EDTA~~ alkoxyalkylamide complexes as MRI
 agents
 DATE FILED: Jul. 19, 1988

US PAT NO: 5,077,037 [IMAGE AVAILABLE] L3: 3 of 5
 TITLE: Novel compositions for magnetic resonance imaging
 DATE FILED: Aug. 3, 1990

US PAT NO: 5,057,302 [IMAGE AVAILABLE] L3: 4 of 5
 TITLE: Bifunctional chelating agents
 DATE FILED: Jan. 4, 1988

US PAT NO: 5,021,567 [IMAGE AVAILABLE] L3: 5 of 5
 TITLE: 8-hydroxyquinoline chelating agents
 DATE FILED: Sep. 24, 1987

=>

INPUT:

=> file reg

FILE 'REGISTRY' ENTERED AT 15:33:28 ON 15 DEC 92
 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
 COPYRIGHT (C) 1992 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 11 DEC 92 HIGHEST RN 144900-80-1
 DICTIONARY FILE UPDATES: 14 DEC 92 HIGHEST RN 144900-80-1

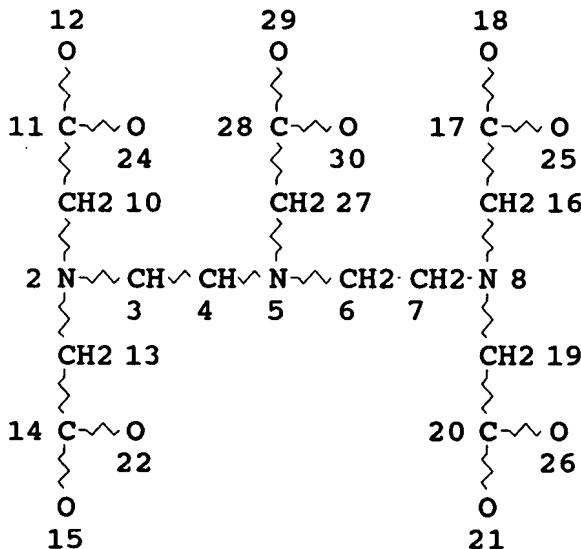
=>

=>

=>

=> d que stat 17

L3 STR



NODE ATTRIBUTES: NONE

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 27

L5 STR

M 1

NODE ATTRIBUTES: NONE

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 1

L7 50 SEA FILE=REGISTRY SSS FUL L3 AND L5

100.0% PROCESSED 1105 ITERATIONS

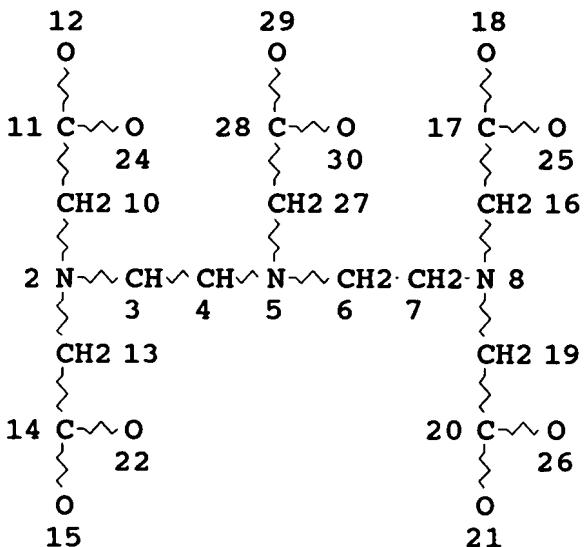
SEARCH TIME: 00.00.07

50 ANSWERS

Some scanned structures
 from this set are at
 the end of the printout.

=>
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=>
=> d que 110

L3 STR



NODE ATTRIBUTES: NONE

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 27

L5 STR

M 1

NODE ATTRIBUTES: NONE

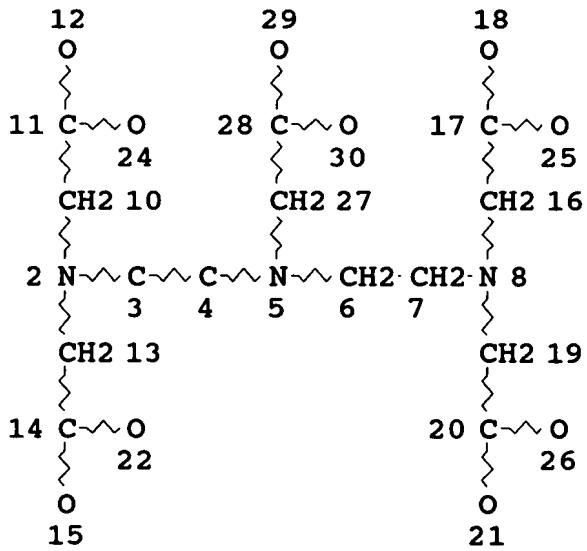
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 1

L7 50 SEA FILE=REGISTRY SSS FUL L3 AND L5

L8 STR



NODE ATTRIBUTES:

CONNECT IS E3 RC AT 3
CONNECT IS E2 RC AT 4

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 27
L10 0 SEA FILE=REGISTRY SUB=L7 SSS FUL L8

=>
=>
=>
=> d que 113
L3 STR

12 29 18
O O O
 | | |
11 C~~O 28 C~~O 17 C~~O
 | 24 | 30 | 25
 CH2 10 CH2 27 CH2 16
 | | |
2 N~~CH~~CH~~N~~CH2 CH2 N 8
 | 3 4 5 6 7 |
 CH2 13 CH2 19
 | |
14 C~~O 20 C~~O
 | 22 | 26
 O O
 15 21

NODE ATTRIBUTES: NONE

GRAPH ATTRIBUTES:

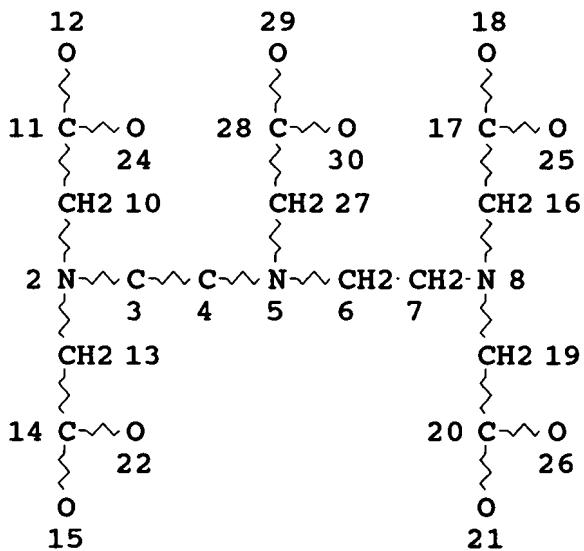
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 27
L5 STR

M 1

NODE ATTRIBUTES: NONE

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 1
L7 50 SEA FILE=REGISTRY SSS FUL L3 AND L5
L11 STR



NODE ATTRIBUTES:

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 CONNECT IS E3 RC AT 4

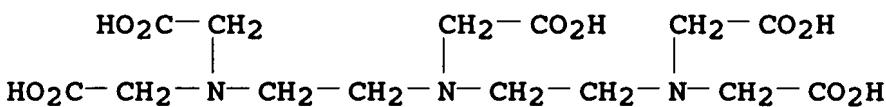
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 27

L13 0 SEA FILE=REGISTRY SUB=L7 SSS FUL L11

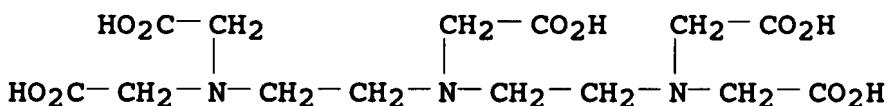
=>
 =>
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 =>
 =>
 => d scan 17

L7 50 ANSWERS COPYRIGHT 1992 ACS
 IN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, tin(2+) salt
 (2:5) (9CI)
 MF C14 H23 N3 O10 . 5/2 Sn



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L7 50 ANSWERS COPYRIGHT 1992 ACS
 IN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, lead(2+)
 potassium salt (1:2:1), tetrahydrate (9CI)
 MF C14 H23 N3 O10 . 4 H2O . K . 2 Pb



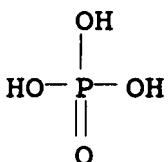
● K

● 4 H₂O

● 2 Pb(II)

L7 50 ANSWERS COPYRIGHT 1992 ACS
 IN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, polymer with
 calcium hydroxide and phosphoric acid (9CI)
 MF (C14 H23 N3 O10 . Ca H2 O2 . H3 O4 P)x
 CI PMS

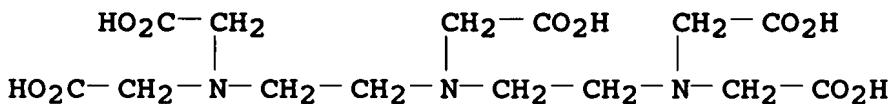
CM 1



CM 2



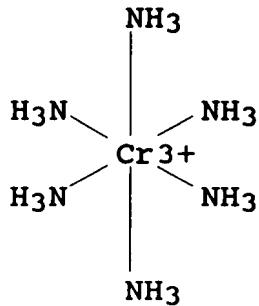
CM 3



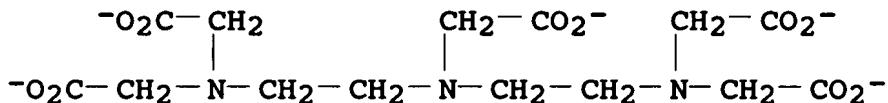
L7 50 ANSWERS COPYRIGHT 1992 ACS
 IN Chromium(3+), hexaammine-, (OC-6-11)-, sodium salt with
N,N-bis[2-[bis(carboxymethyl)amino]ethyl]glycine (1:2:1),
 pentahydrate (9CI)
 MF C14 H18 N3 O10 . Cr H18 N6 . 5 H2 O . 2 Na

CM 1

CM 2

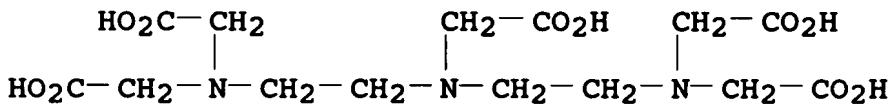


CM 3



L7 50 ANSWERS COPYRIGHT 1992 ACS
 IN Glycine, *N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-*, potassium salt

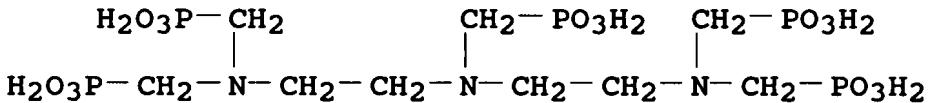
MF (9CI)
C14 H23 N3 O10 . x K



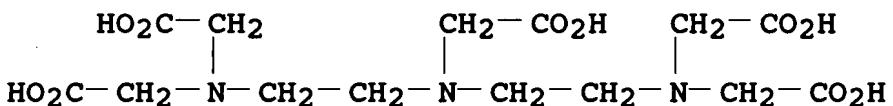
● x K

L7 50 ANSWERS COPYRIGHT 1992 ACS
 IN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, pentasodium salt, mixt. with [(phosphonomethyl)imino]bis[2,1-ethanediyl]nitrilobis(methylene)]tetrakis(phosphonic acid) (9CI)
 MF C14 H23 N3 O10 . C9 H28 N3 O15 P5 . 5 Na
 CI MXS

CM 1

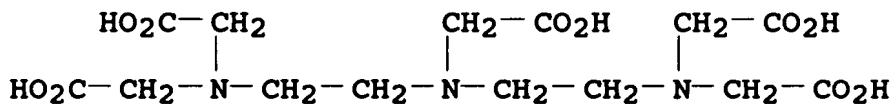


CM 2



● 5 Na

L7 50 ANSWERS COPYRIGHT 1992 ACS
 IN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, pentasodium salt (8CI, 9CI)
 MF C14 H23 N3 O10 . 5 Na
 CI COM



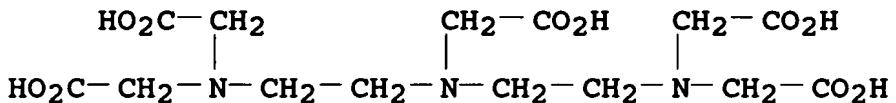
● 5 Na

L7 50 ANSWERS COPYRIGHT 1992 ACS
 IN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, dihexadecyl ester, sodium salt (9CI)
 MF C46 H87 N3 O10 . x Na
 CI IDS

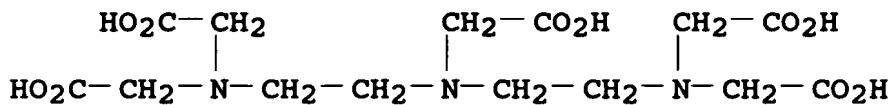
CM 1

HO-(CH₂)₁₅-Me

CM 2



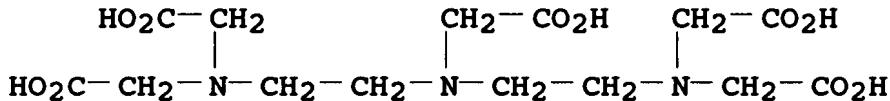
L7 50 ANSWERS COPYRIGHT 1992 ACS
 IN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, lead(2+) salt (1:1), dihydrate (9CI)
 MF C14 H23 N3 O10 . 2 H₂O . Pb



● 2 H₂O

● Pb(II)

L7 50 ANSWERS COPYRIGHT 1992 ACS
 IN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, tetrasodium salt (9CI)
 MF C14 H23 N3 O10 . 4 Na



● 4 Na

L7 50 ANSWERS COPYRIGHT 1992 ACS
 IN 2-Oxa-5,8,11-triazatridecan-13-oic acid, 5-(carboxymethyl)-8,11-bis(2-methoxy-2-oxoethyl)-3-oxo-, 13-methyl ester, potassium salt (9CI)
 MF C18 H31 N3 O10 . K

